

## APPARATUS AND METHOD FOR ADAPTIVE MULTIMEDIA RECEPTION AND TRANSMISSION IN COMMUNICATION ENVIRONMENTS

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### Abstract of the Disclosure

The present invention provides a method and apparatus for configuration of adaptive integrated circuitry, to provide one or more operating modes or other functionality in a communication device, such as a cellular telephone, a GSM telephone, another type of mobile telephone or mobile station, or any other type of media

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communication device, including video, voice or radio, or other forms of multimedia.

The adaptive integrated circuitry is configured and reconfigured for multiple tasks, such as channel acquisition, voice transmission, or multimedia and other data processing. In the preferred embodiment, the configuration and reconfiguration occurs to adaptively optimize the performance of the particular activity over time, such as to increase the

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speed of channel acquisition, increase throughput rates, increase perceived voice and media quality, and decrease the rate of dropped communication sessions.